

GILA RIVER BASIN

09471600 CANARY WASH NEAR BENSON, AZ

LOCATION.--Lat 31°52'35", long 110°20'30", NW¹/₄ sec.18, T.18 S., R.20 E., Cochise County, Hydrologic Unit 15050202, at State Highway 90, 6.5 mi southwest of Benson.

DRAINAGE AREA.--0.79 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1963	00-00-63	84		1970	00-00-70	0	
1964	00-00-64	2.0	ES	1971	00-00-71	0	
1965	08-13-65	59		1972	00-00-72	0	
1966	08-00-66	20	ES	1973	00-00-73	0	
1967	07-00-67	15	ES	1974	07-19-74	2.0	ES
1968	00-00-68	10	LT	1975	10-00-74	2.0	ES
1969	09-06-69	2.0	ES	1978	00-00-78	¹ 55	HP

¹Highest since 1976.

Magnitude and probability of instantaneous peak flow based on period of record 1963-75, 1978

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2† 50%	5† 20%	10† 10%	25† 4%	50† 2%	100† 1%
4.4	24.7	58	139	239	385
Weighted skew	(logs) =	-0.26			
Mean	(logs) =	0.60			
Standard dev.	(logs) =	0.93			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
472	2.6	5,240	66.0	3.0	15.0	1.7	3.9

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